



Unclassified

# **Bold Alligator**

## **January 30 - February 12, 2012**

### **Onslow Bay, NC**

**NRL will provide near-real-time satellite support products as a capability demonstration to a large-scale U.S. naval amphibious exercise - Bold Alligator (BA12). These products will be developed using the Tactical Ocean Display System (TODS) display system by merging satellite optical and thermal properties, high resolution model and glider positions. Products provided will be as follows:**

- Regional True Color (R,G,B) image from Aqua MODIS at 250m resolution with the following model and glider information overlaid: NCOM 500m resolution surface currents, operational boxes, and glider tracks.
- Regional Sea Surface Temperature (SST) image in degrees Fahrenheit derived from Aqua MODIS at 250m resolution with the same model and glider overlays.
- PPE (Sea Surface Temperature based) image in degrees Fahrenheit derived from Aqua MODIS at 250m resolution with the same model and glider overlays. (<49F, 50-70F,

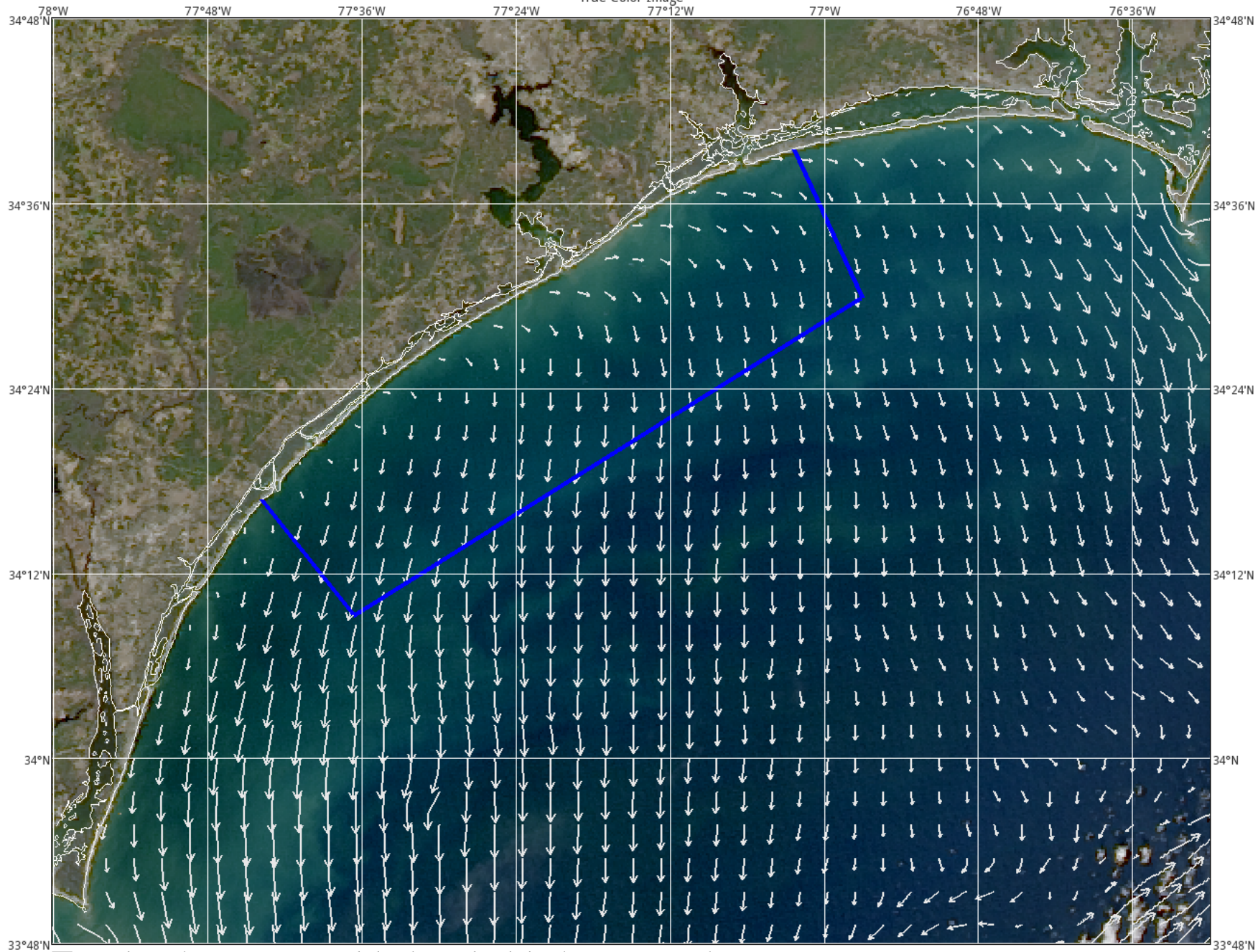
**Note!**

Regional horizontal diver visibility image in meters derived from Aqua MODIS at 250m resolution with the same model and glider overlays.

**The horizontal visibility and sea surface temperature satellite image products will be a composite image derived pixel-by-pixel by including the most recent cloud free pixel over the last seven days. The true color imagery will be representative of the image collected on that day.**

**Static files will be available at:**

## True Color Image



0.187581 knots /projects/opsupport/RELO/areas/onslowbay\_miw/ncom\_relo\_onslowbay\_miw\_u\_2012012900\_t018.nc, timestep 0

true\_color

Onslow\_Bay\_250m\_Bold\_Alligator (HMODIS-AQUA-PM)

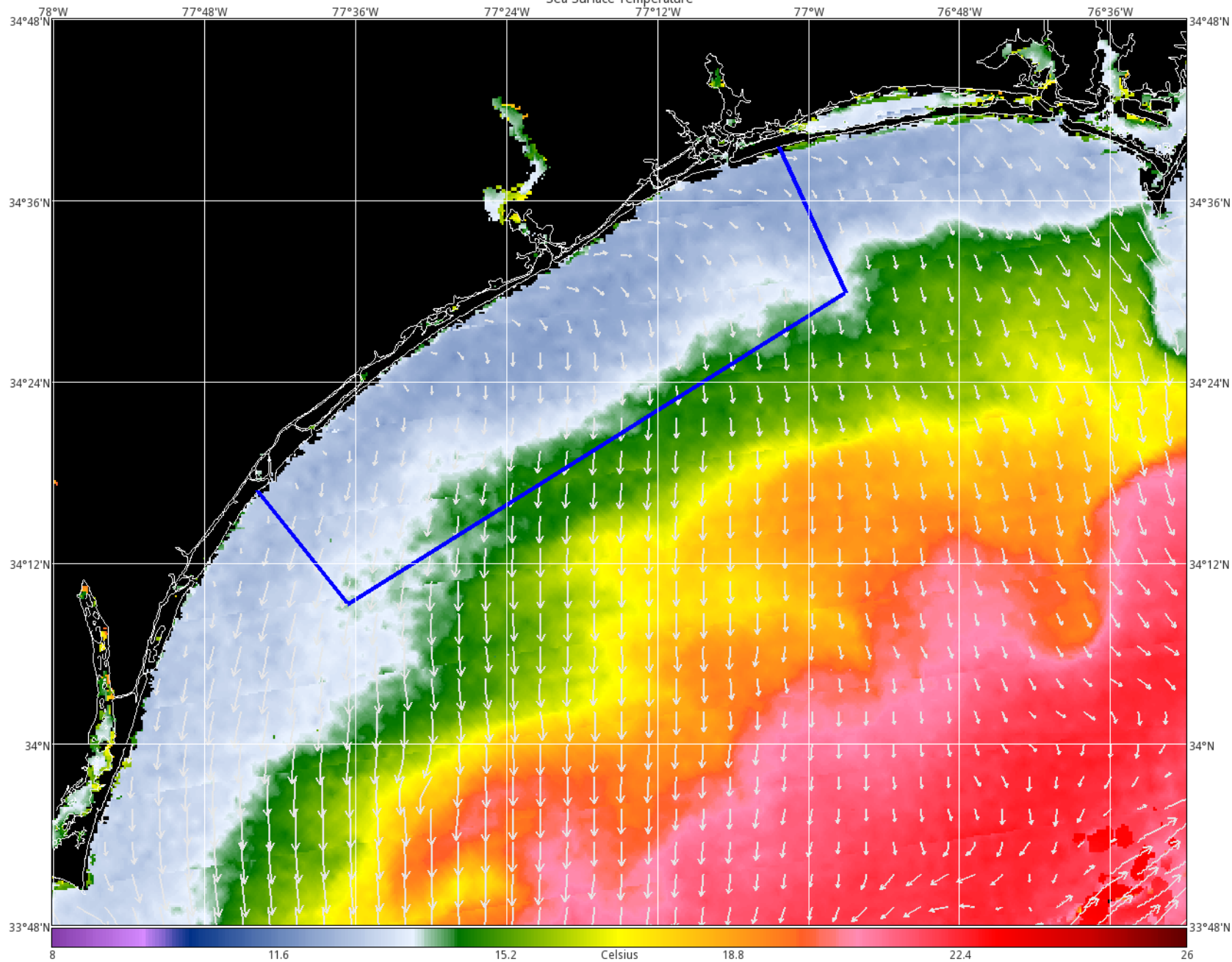
Version 9 (APS v4.4.0)

Code 7330/Ocean Sciences

Naval Research Laboratory

Stennis Space Center, MS





LAND

0.187581 knots /projects/opsupport/RELO/areas/onslowbay\_miw/ncom\_relo\_onslowbay\_miw\_u\_2012012900\_t018.nc, timestep 0

sst

Onslow\_Bay\_250m\_Bold\_Alligator (HMODIS-AQUA-PM)

Version 9

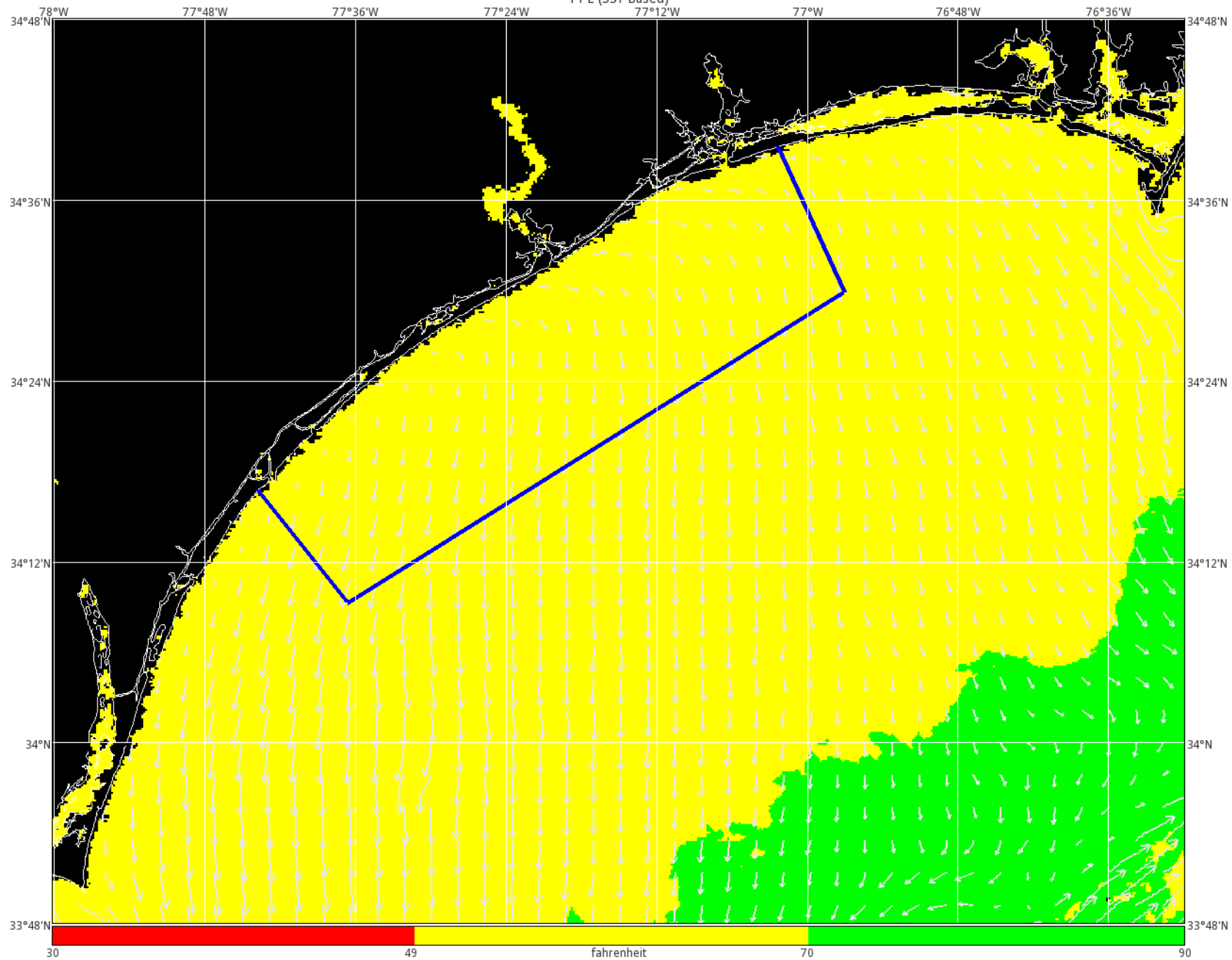
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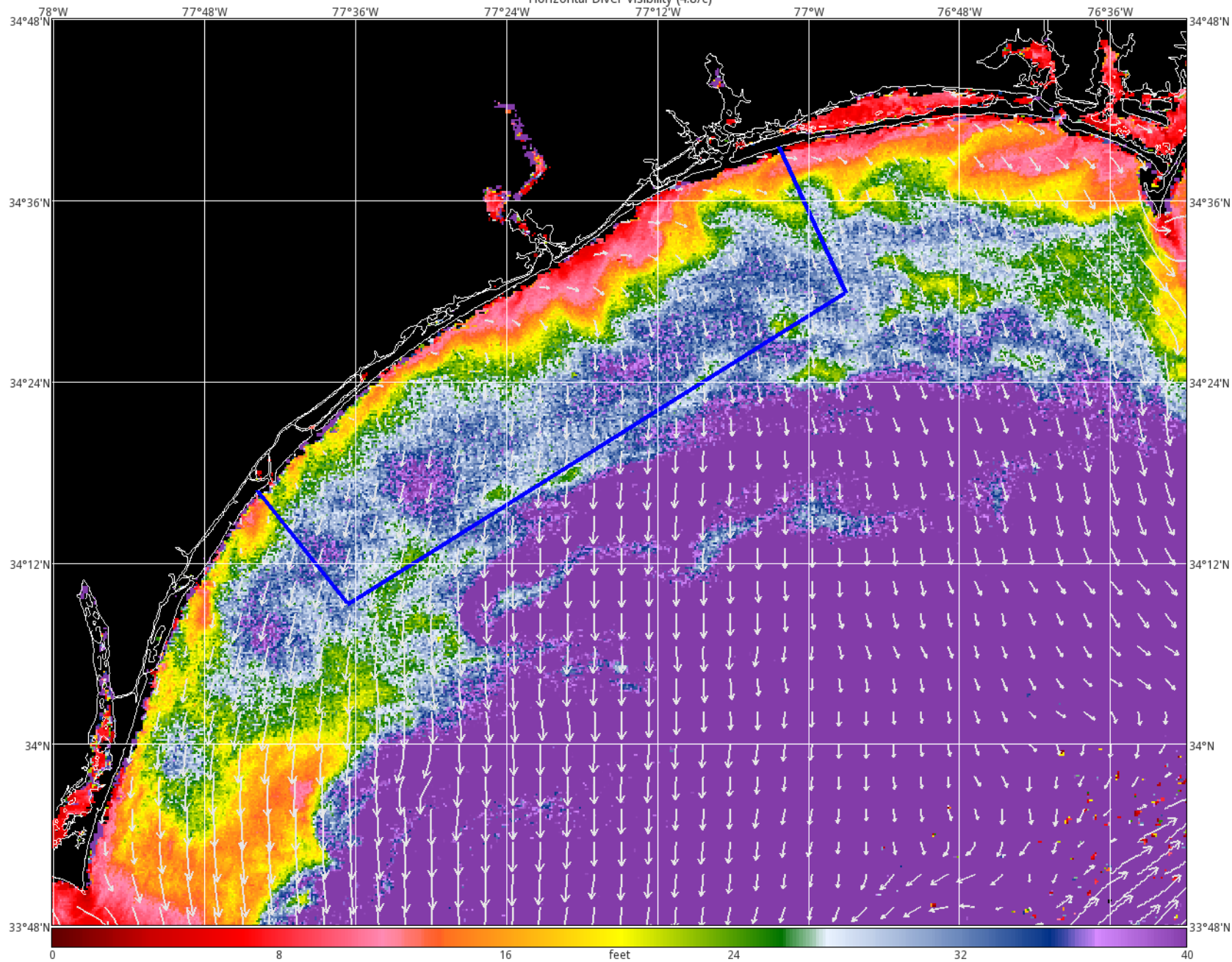


LAND

0.187581 knots /projects/opsupport/RELO/areas/onslowbay\_miw/ncom\_relo\_onslowbay\_miw\_u\_2012012900\_t018.nc, timestep 0  
sst  
Onslow\_Bay\_250m\_Bold\_Alligator (HMODIS-AQUA-PM)  
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LAND

0.187581 knots /projects/opsupport/RELO/areas/onslowbay\_miw/ncom\_relo\_onslowbay\_miw\_u\_2012012900\_t018.nc, timestep 0

horiz\_vis

Onslow\_Bay\_250m\_Bold\_Alligator (HMODIS-AQUA-PM)

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